YAMAHA

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YAMAHA MUSIC AUSTRALIA PTY, LTD. 17-33 MARKET ST., SOUTH MELBOURNE, 3205 VIC., AUSTRALIA

YAMAHA CORPORATION
Printed in Malaysia V339080

YAMAHA HTR-5130/HTR-5130RDS

BG

YAMAHA

HTR-5130
HTR-5130RDS

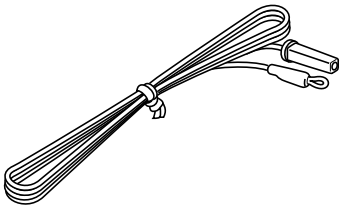
NATURAL SOUND AV RECEIVER
AMPLI-TUNER AUDIO-VIDEO

OWNER'S MANUAL
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
BRUKSANVISNING
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUCCIONES
GEBRUIKSAANWIJZING

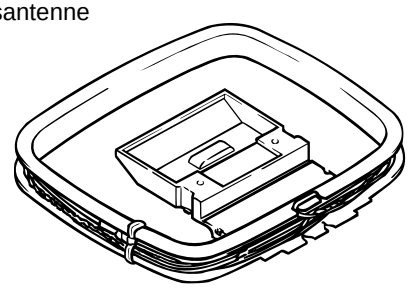
SUPPLIED ACCESSORIES
ACCESSORIES FOURNIS
MITGELIEFERTE ZUBEHÖRTEILE
MEDFÖLJANDE TILLBEHÖR
ACCESSORI IN DOTAZAIONE
ACCESORIOS INCLUIDOS
BIJGELEVERDE ACCESSOIRES

- After unpacking, check that the following parts are included.
- Après le déballage, vérifier que les pièces suivantes sont incluses.
- Nach dem Auspacken überprüfen, ob die folgenden Teile vorhanden sind.
- Kontrollera efter det apparaten packats upp att följande delar finns med.
- Verificare che tutte le parti seguenti siano contenute nell'imballaggio dell'apparecchio.
- Desembalar el aparato y verificar que los siguientes accesorios están en la caja.
- Controleer na het uitpakken of de volgende onderdelen voorhanden zijn.

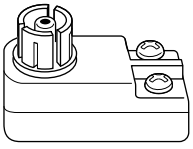
- Indoor FM Antenna
- Antenne FM intérieure
- UKW-Innenantenne
- FM inomhusantenn
- Antenna FM interna
- Antena FM interior
- FM Binnenantenne



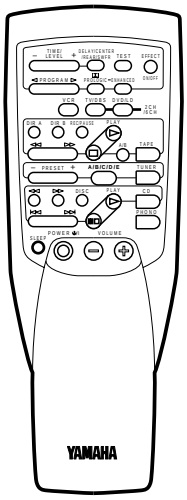
- AM Loop Antenna
- Cadre-antenne AM
- MW-Rahmenantenne
- AM ramantenn
- Antenna AM ad anello
- Antena de cuadro de AM
- AM Lusantenne



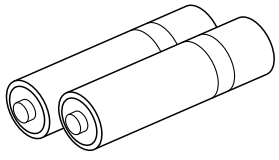
- 75-ohm/300-ohm antenna adapter <U.K. model only>
- Adaptateur d'antenne 75 ohms/300 ohms <Modèle pour le Royaume-Uni seulement>
- 75 Ohm/300 Ohm Antennenstecker <nur Großbritannien-Modell>
- 75 ohm/300 ohm antennadapter <Endast modell för brittisk>
- Adattatore per antenna da 75 e 300 ohm <Solo modello per la Gran Bretagna>
- Adaptador de antena de 75 ohmios/300 ohmios <Modelo para Reino Unido sólo>
- 75 ohm/300 ohm antenne-adapter <Alleen modellen voor Groot-Brittannië>



- Remote Control Transmitter
- Emetteur de télécommande
- Fernbedienung
- Fjärrkontroll
- Telecomando
- Transmisor de control remoto
- Afstandbediening



- Batteries (size AA, R6, UM-3)
- Piles (taille AA, R6, UM-3)
- Batterien (Größe AA, R6, UM-3)
- Batterier (storlek AA, R6, UM-3)
- Batterie (dimensioni AA, R6, UM-3)
- Pilas (tamaño AA, R6, UM-3)
- Batterijen (maat AA, R6, UM-3)



Thank you for selecting this YAMAHA AV receiver.

English

FEATURES

- **5 Speaker Configuration (Power Amp. Section)**
  Main: 60W + 60W (8Ω) RMS Output Power, 0.04% THD, 20–20,000 Hz
  Center: 60W (8Ω) RMS Output Power, 0.04% THD, 20–20,000 Hz
  Rear: 60W + 60W (8Ω) RMS Output Power, 0.04% THD, 20–20,000 Hz
- **Digital Sound Field Processor**
- **Dolby Pro Logic Surround Decoder**
- **Theater-like Sound Experience by the Combination of Dolby Pro Logic and YAMAHA DSP Technology (CINEMA DSP)**
- **Automatic Input Balance Control for Dolby Pro Logic Surround**
- **Test Tone Generator for Easier Speaker Balance Adjustment**
- **3 Center Channel Modes (NORMAL/WIDE/PHANTOM)**
- **Multi-Functions for RDS Broadcast Reception HTR-5130RDS only**
- **40-Station Random Access Preset Tuning**
- **Automatic Preset Tuning**
- **Preset Station Shifting Capability (Preset Editing)**
- **IF Count Direct PLL Synthesizer Tuning System**
- **6-Channel External Decoder Input for Dolby Digital, DTS, and Other Future Formats**
- **Video Signal Input/Output Capability**
- **SLEEP Timer**
- **Remote Control Capability**

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Illustrations in this manual show the HTR-5130RDS model. Functions and parts applicable only to the HTR-5130RDS are clearly specified.

CAUTION : READ THIS BEFORE OPERATING YOUR UNIT.

1. To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2. Install this unit in a cool, dry, clean place – away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electrical shock, do not expose the unit to rain or water.

3. Never open the cabinet. If something drops into the set, contact your dealer.

4. Do not use force on switches, controls or connection wires. When moving the unit, first disconnect the power plug and the wires connected to other equipment. Never pull the wires themselves.

5. The openings on the unit cover assure proper ventilation of the unit. If these openings are obstructed, the temperature inside the unit will rise rapidly. Therefore, avoid placing objects against these openings, and install the unit in a well-ventilated area to prevent fire and damage.

   <China, U.K. and Europe models only>
   Be sure to allow a space of at least 20 cm behind, 20 cm on the both sides and 30 cm above the top panel of the unit to prevent fire and damage.

6. Always set the VOLUME control to "– ∞" before starting the audio source play. Increase the volume gradually to an appropriate level after playback has been started.

7. Do not attempt to clean the unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

8. Be sure to read the "TROUBLESHOOTING" section regarding common operating errors before concluding that the unit is faulty.

9. When not planning to use this unit for long periods of time (i.e., vacation, etc.), disconnect the AC power plug from the wall outlet.

10. To prevent lightning damage, disconnect the AC power plug and antenna cable when there is an electrical storm.

11. Grounding or polarization – Precautions should be taken so that the grounding or polarization of an appliance is not defeated.

12. Do not connect audio equipment to the AC outlet on the rear panel if the equipment requires more power than the outlet is rated to provide.

13. **Voltage Selector <China and General models only>**
    The voltage selector on the rear panel of this unit must be set for your local main voltage BEFORE plugging into the AC power supply.
    Voltages are 110/120/220/240 V AC, 50/60 Hz.

IMPORTANT
Please record the serial number of this unit in the space below.

Model:

Serial No.:

The serial number is located on the rear of the unit.
Retain this Owner's Manual in a safe place for future reference.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

FREQUENCY STEP switch <China and General models only>
Because the interstation frequency spacing differs in different areas, set the FREQUENCY STEP switch (located on the rear panel) according to the frequency spacing in your area.
Before setting this switch, disconnect the AC power plug of this unit from the AC outlet.

For Canadian Customers
To prevent electric shock, match wide blade of plug to wide slot and fully insert.

This Class B digital apparatus complies with CANADIAN ICES-003

For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described on the right.

Note: The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

Special Instructions for U.K. Model

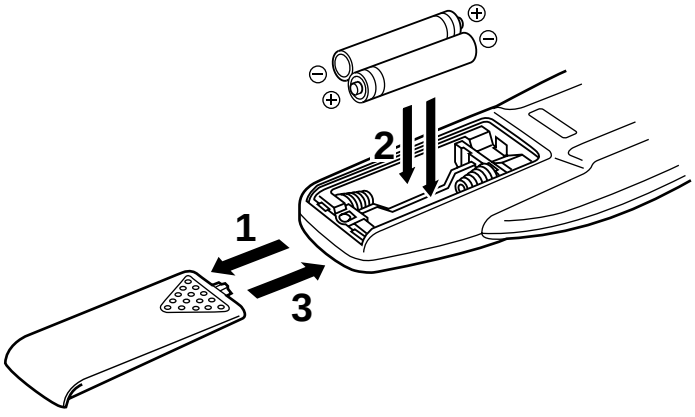
IMPORTANT
THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL
Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Making sure that neither core is connected to the earth terminal of the three pin plug.

NOTES ABOUT THE REMOTE CONTROL TRANSMITTER

Battery installation



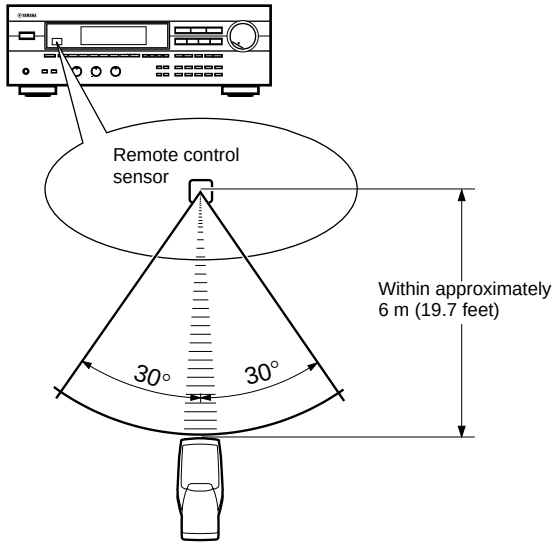
Battery replacement

When you notice a decrease in the operating range of the remote control transmitter, the batteries are weak. Replace both batteries with new ones.

Notes

- Use only AA, R6, UM-3 batteries for replacement.
- Be sure the polarities are correct. (See the illustration inside the battery compartment.)
- Remove the batteries if the remote control transmitter will not be used for an extended period of time.
- If batteries leak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing, etc. Clean the battery compartment thoroughly before installing new batteries.

Remote control transmitter operation range



Notes

- There should be no large obstacles between the remote control transmitter and the main unit.
- If the remote control sensor is directly illuminated by strong lighting (especially an inverter type of fluorescent lamp, etc.), it might cause the remote control transmitter not to work correctly. In this case, reposition the main unit to avoid direct lighting.

PROFILE OF THIS UNIT

You are the proud owner of a Yamaha stereo receiver – an extremely sophisticated audio component. The Digital Sound Field Processor (DSP) built into this unit takes advantage of Yamaha's undisputed leadership in the field of digital audio processing to bring you a whole new world of listening experiences. Follow the instructions in this manual carefully when setting up your system, and this unit will sonically transform your room into a wide range of listening environments – movie theater, concert hall, and so on. In addition, you get incredible realism from sources encoded with Dolby Surround using the built-in Dolby Pro Logic Surround decoder.
Please read this owner's manual carefully and store it in a safe place for later reference.

Digital Sound Field Processing

What is it that makes live music so good? Today's advanced sound reproduction technology lets you get extremely close to the sound of a live performance, but chances are you'll still notice something missing: the acoustic environment of the live concert hall. Extensive research into the exact nature of the sonic reflections that create the ambience of a large hall has made it possible for Yamaha engineers to bring you this same sound in your own listening room, so you'll feel all the sound of a live concert.

Furthermore, our technicians, armed with sophisticated measuring equipment, have even made it possible to capture the acoustics of a variety of venues such as an actual concert hall, theater, etc. to allow you to accurately recreate one of several actual live performance environments, all in your own home.

Dolby Pro Logic Surround

This unit employs a Dolby Pro Logic Surround decoder similar to professional Dolby Stereo decoders used in many movie theaters. By using the Dolby Pro Logic Surround decoder, you can experience the dramatic realism and impact of Dolby Surround movie theater sound in your own home. Dolby Pro Logic employs a four channel five speaker system. The Pro Logic Surround system divides the input signal into four levels: the left and right main channels, the center channel (used for dialog), and the rear surround sound channel (used for sound effects, background noise, and other ambient noises). The center channel allows listeners seated in even less-than-ideal positions to hear the dialog originating from the action on the screen while experiencing good stereo imaging.
Dolby Surround is encoded on the sound track of pre-recorded video tapes, laser discs, and some TV/cable broadcasts. When you play a source encoded with Dolby Surround on this unit, the Dolby Pro Logic Surround decoder decodes the signal and distributes the surround-sound effects.

This Dolby Pro Logic Surround Decoder employs a digital signal processing system. This system improves the stability of sound at each channel and minimizes crosstalk between channels, so that positioning of sounds around the room is more accurate compared with conventional analog signal processing systems.
In addition, this unit features a built-in automatic input balance control. This always assures you the best performance without manual adjustment.

Manufactured under license from Dolby Laboratories. "Dolby", "AC-3", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Dolby Pro Logic Surround + DSP

A Dolby Surround sound system shows its full ability in a large movie theater, because movie sounds are originally designed to be reproduced in a large movie theater using many speakers. It is difficult to create a sound environment similar to that of a movie theater in your listening room, because the room size, materials of inside walls, the number of speakers, etc. of your listening room is much different from those of a movie theater.
Yamaha DSP technology made it possible to present you with nearly the same sound experience as that of a large movie theater in your listening room by compensating for lack of presence and dynamics in your listening room with its original digital sound fields combined with Dolby Surround sound field.

The combination of Dolby Pro Logic Surround and DSP is used on the sound field program "DOLBY PRO LOGIC ENHANCED".

CINEMA DSP

The YAMAHA "CINEMA DSP" logo indicates these programs are created by the combination of Dolby Pro Logic and YAMAHA DSP technology.

SPEAKER SETUP

SPEAKERS TO BE USED

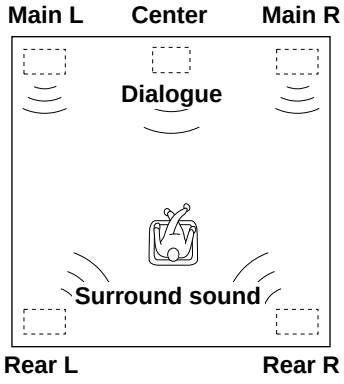
This unit is designed to provide the best sound-field quality with a 5 speaker configuration. The most effective speakers to use with this unit are main speakers, rear speakers and a center speaker. You may omit the center speaker. (Refer to the "**4-Speaker Configuration**" shown below.)
The main speakers are used for the majority of the sound output as well as effect sounds. The rear speakers are used for the effect and surround sounds, and the center speaker is for the center sounds (dialog, etc.) within programs encoded with Dolby Surround. The center speaker needs to be equal in power to the main speakers, though the rear speakers should be slightly lower in power. However, all the speakers should have high enough power handling to accept the maximum output of this unit.

SPEAKER CONFIGURATION

5-Speaker Configuration

This configuration is the most effective and recommended one. In this configuration, the center speaker is necessary as well as the rear speakers. If the program **DOLBY PRO LOGIC** or **DOLBY PRO LOGIC ENHANCED** is selected, conversations will be output from the center speaker and the ambience will be excellent.

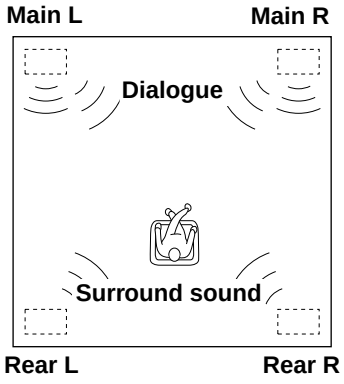
- Set the center channel mode to the "**NORMAL**" or "**WIDE**" position. (For details, refer to page 20.)



4-Speaker Configuration

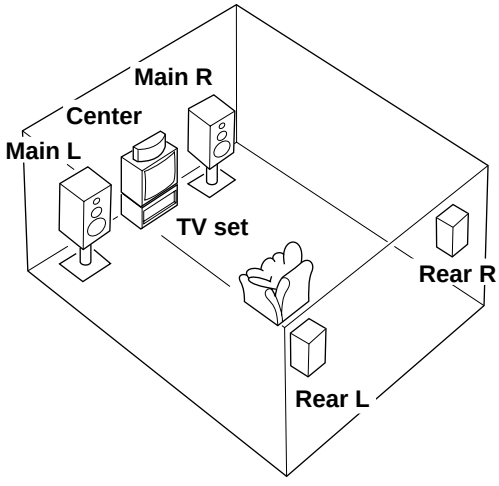
The center speaker is not used in this configuration. If the program **DOLBY PRO LOGIC** or **DOLBY PRO LOGIC ENHANCED** is selected, the center sound is output from the left and the right main speakers. However, the sound effect of other programs can be the same as that of the 5-speaker configuration.

- Be sure to set the center channel mode to the "**PHANTOM**" position. (For details, refer to page 20.)



SPEAKER PLACEMENT

The recommended 5-speaker configuration requires a pair of **main speakers**, a **center speaker**, and a pair of **rear speakers** (sometimes referred to as surround speakers). When arranging your speakers, refer to the illustration and information below.



Main: Position the main speakers at equal distances away from the listening position and at equal distances on either side of the center speaker.

Rear: Position rear speakers directly behind the listening position at a height of approximately 1.8m (6 feet) up from the floor, facing slightly inward. If the speakers cannot be placed behind the listening position, they may also be placed at the side of the listening position, facing toward the listening position.

Center: Position the center speaker directly in front of the listening position between the main speakers. (When placing on or near a television, use a magnetically shielded speaker to avoid unwanted interference.)

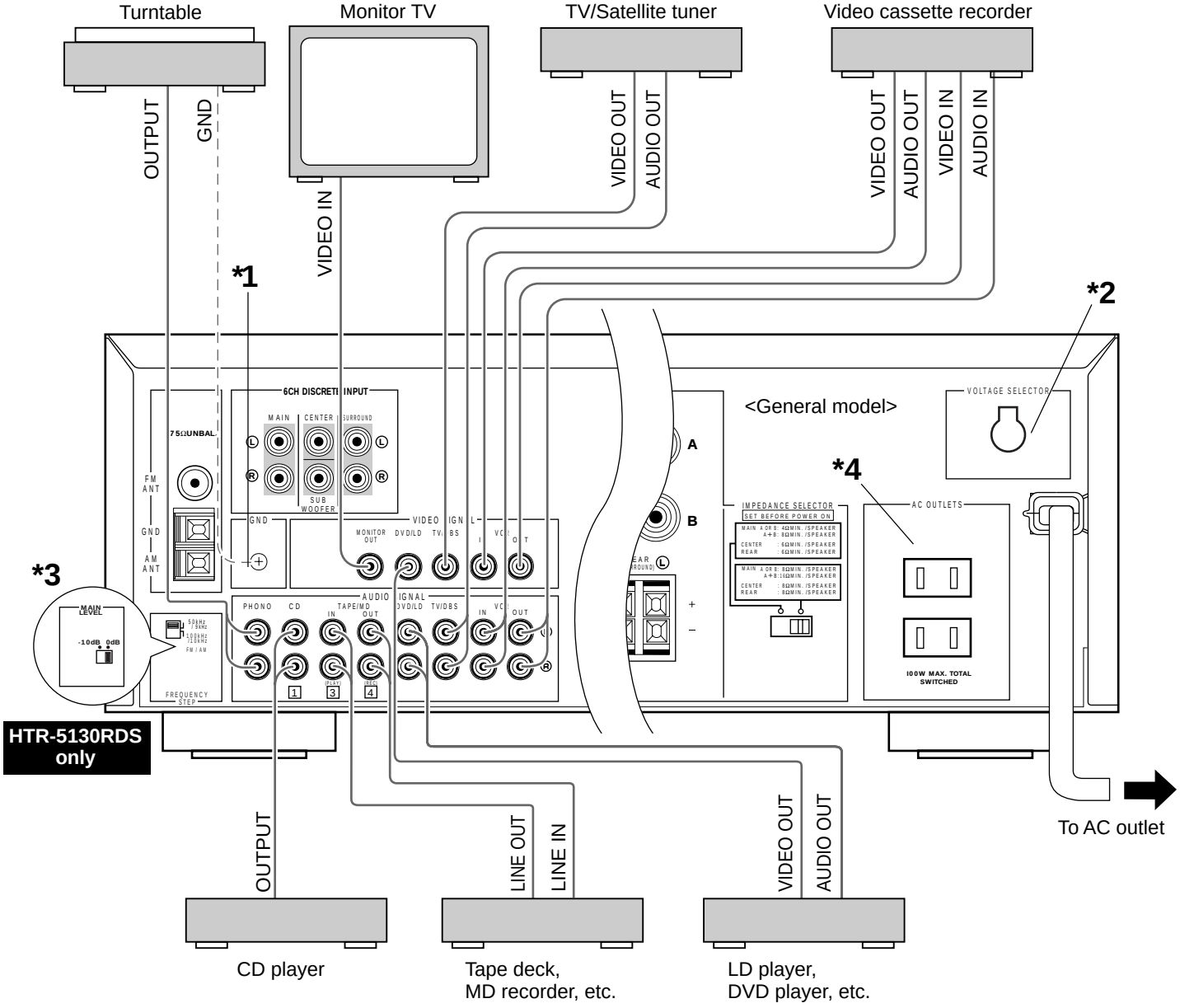
CONNECTIONS

CONNECTIONS WITH OTHER COMPONENTS

Never plug in this unit and other components until all connections are completed.

When making connections between this unit and other components, be sure all connections are made correctly; that is to say **L** (left) to **L**, **R** (right) to **R**, "**+**" to "**+**" and "**–**" to "**–**". Also, refer to the owner's manual for each component to be connected to this unit.

* If you have YAMAHA components numbered as 1, 3, 4, etc. on the rear panel, connections can be made easily by connecting the output (or input) terminals of each component to the same-numbered terminals on this unit.



***1 Ground (GND) terminal (For turntable use)**

Connecting the ground wire of the turntable to the GND terminal will normally minimize hum, but in some cases better results may be obtained with the ground wire disconnected.

***2 Voltage Selector <China and General models only>**

The voltage selector on the rear panel of this unit must be set for your local main voltage BEFORE plugging into the AC power supply.
Voltages are 110/120/220/240 V AC, 50/60 Hz.

***3 MAIN LEVEL Switch HTR-5130RDS only**

Normally set to "0 dB". If desired, you can decrease the output level of the MAIN SPEAKERS terminals by 10 dB by setting this switch to "–10 dB".

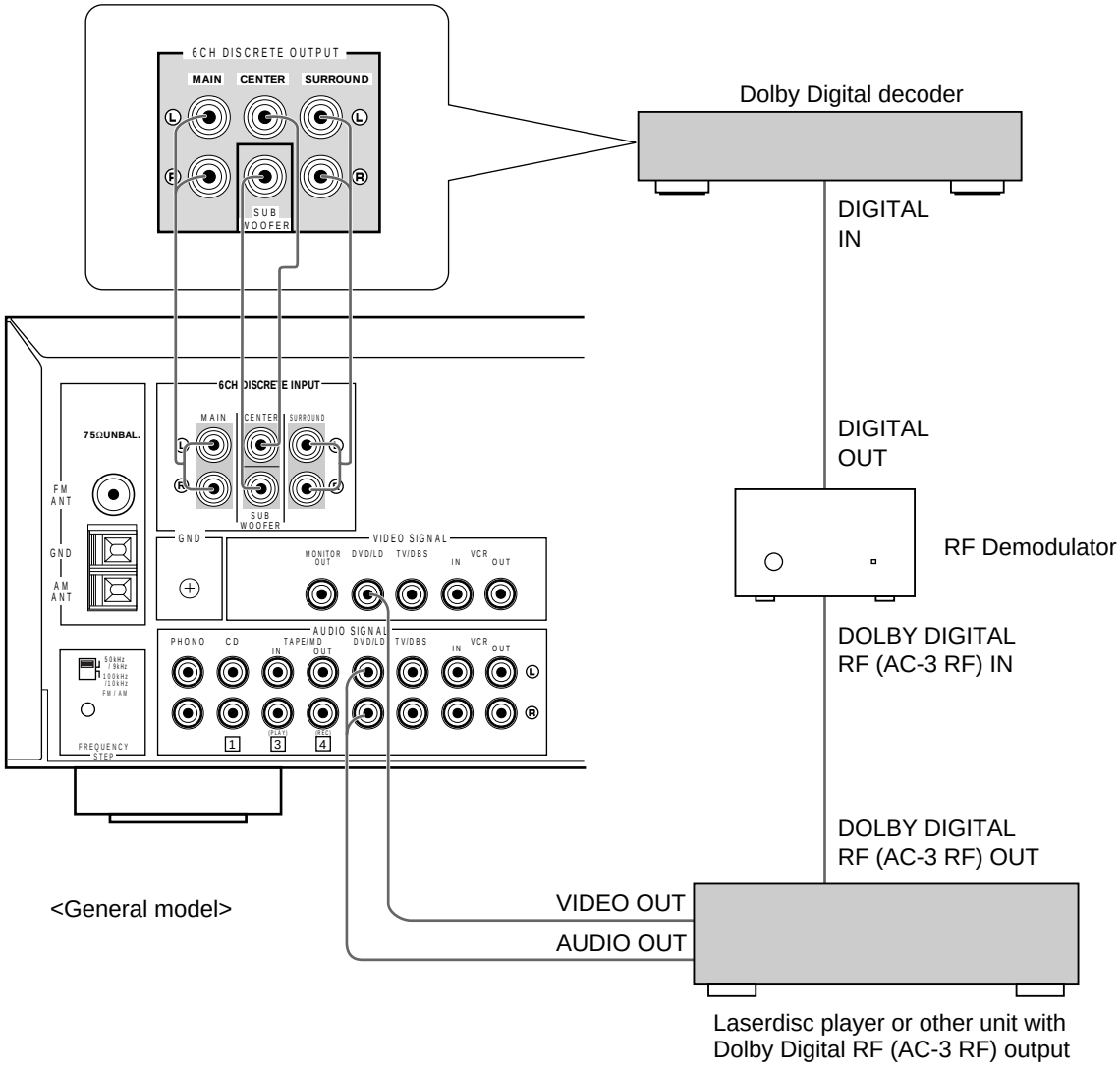
***4 AC OUTLETS (SWITCHED)**

<Europe, Canada, U.S.A., China and General models>
.....2 SWITCHED OUTLETS
<U.K. and Australia models> ..... 1 SWITCHED OUTLET
Use these to connect the power cords from your components to this unit.
The power to the **SWITCHED AC OUTLETS** is controlled by this unit's **STANDBY/ON** switch or the provided remote control transmitter's **POWER ⏻ /I** key. These outlets will supply power to any component whenever this unit is turned on.
The maximum power (total power consumption of components) that can be connected to the **SWITCHED AC OUTLETS** is 100 watts.

Connecting an external decoder for Dolby Digital, DTS and other future formats or a DVD player, etc.

If you have a separate Dolby Digital, DTS or other format decoder, or if you have a DVD player or other component which incorporates a Dolby Digital, DTS, or other format decoder, its 6 channel discrete outputs can be connected to the 6CH DISCRETE INPUT terminals of this unit.

(Example)

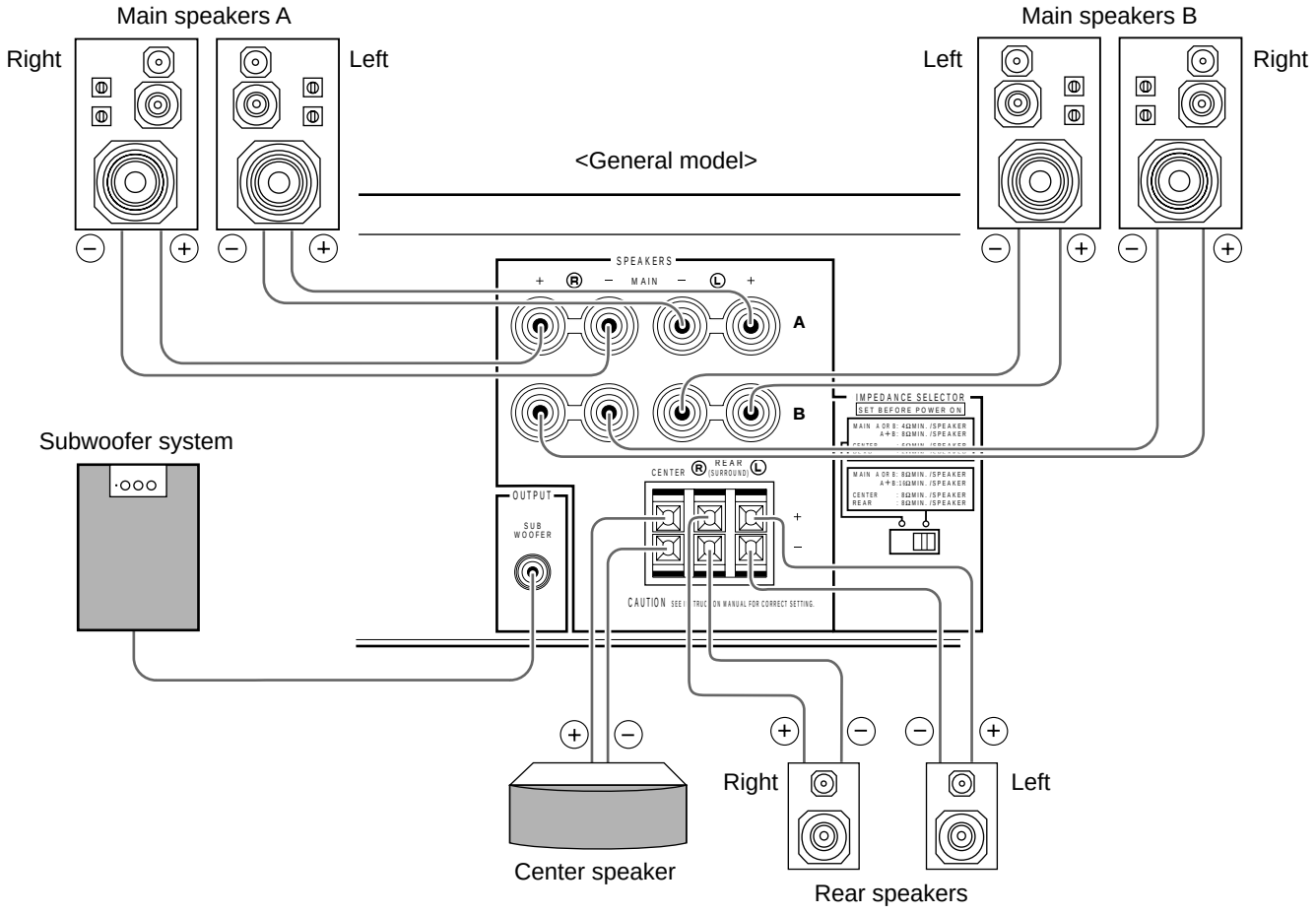


<General model>

Notes

- The laserdisc player (or other unit) must be also connected to the DVD/LD (or TV/DBS) AUDIO SIGNAL input terminals of this unit to play a source encoded with Dolby Pro Logic Surround or in normal stereo (or monaural).
- The discrete signals input to this unit cannot be recorded by a tape deck, MD recorder or VCR. To record a source played on the laserdisc player (or another unit), it must be connected to the DVD/LD (or TV/DBS) AUDIO/VIDEO SIGNAL input terminals of this unit.
- If you made no connection to the SUB WOOFER input terminal of this unit or you will not use a subwoofer, you should be able to make a setting on the decoder to distribute SUB WOOFER channel signals to the right and left MAIN output terminals.
  For details, refer to the owner's manual supplied with the decoder.

CONNECTING SPEAKERS



Note
Use speakers with the specified impedance shown on the rear of this unit.

Note on main speaker connections:

One or two speaker systems can be connected to this unit. If you use only one speaker system, connect it to either the **SPEAKERS A** or **B** terminals.

Note on subwoofer connection:

You may wish to add a subwoofer to reinforce low frequencies or to output low bass sound from the subwoofer channel when reproducing discrete signals.
Connect the **SUBWOOFER OUTPUT** terminal of this unit to the input terminal of the subwoofer amplifier, and connect the speaker terminals of the subwoofer amplifier to the subwoofer. With some subwoofers, including the Yamaha Active Servo Processing Subwoofer System, the amplifier and subwoofer are in the same unit.

How to Connect:

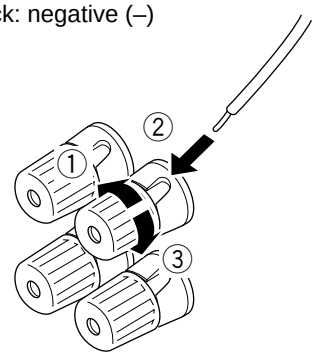
Connect the **SPEAKERS** terminals to your speakers with wire of the proper gauge, cut as short as possible. If the connections are faulty, no sound will be heard from the speakers. Make sure that the polarity of the speaker wires is correct, that is the + and – markings are observed. If these wires are reversed, the sound will be unnatural and lack bass.

Caution

Do not let the bare speaker wires touch each other or any metal part of this unit. This could damage this unit and/or speakers.

To connect to the MAIN SPEAKERS terminals

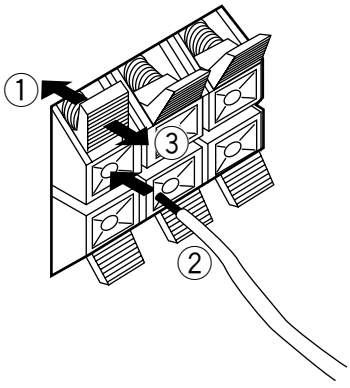
Red: positive (+)
Black: negative (–)



① Unscrew the knob.
② Insert the bare wire. [Remove approx. 5mm (1/4") insulation from the speaker wires.]
③ Tighten the knob and secure the wire.

To connect to the REAR and CENTER SPEAKERS terminals

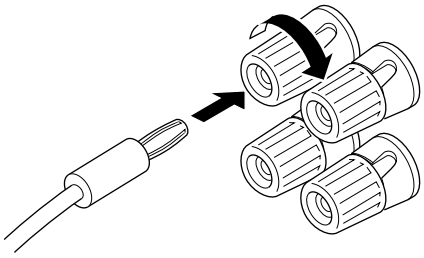
Red: positive (+)
Black: negative (–)



① Press the tab.
② Insert the bare wire. [Remove approx. 5mm (1/4") insulation from the speaker wires.]
③ Release the tab and secure the wire.

<U.S.A., Canada, Australia, China and General models only>

Banana Plug connections are also possible. Simply insert the Banana Plug connector into the corresponding terminal.



SUBWOOFER OUTPUT terminal

This terminal is for connecting to the input terminal of an amplifier driving a subwoofer.
This terminal outputs low frequencies from the main and center channels. (The cut-off frequency of signals output from this terminal is 150 Hz.)
When 6 channel discrete signals are input to this unit and are selected as the input source, this terminal outputs signals from the subwoofer channel.

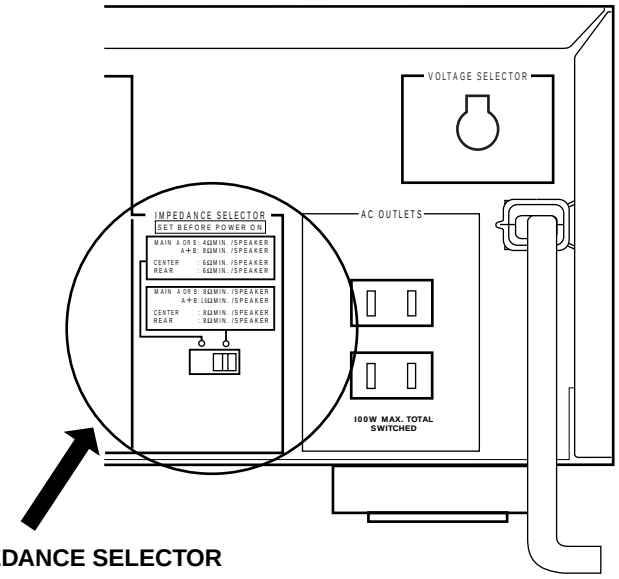
IMPEDANCE SELECTOR switch

Be sure to switch this only when the power to this unit is not on.
Select the position whose requirements your speaker system meets.

WARNING
Do not change the IMPEDANCE SELECTOR switch setting while the power to this unit is on, otherwise this unit may be damaged.

IF THIS UNIT FAILS TO TURN ON WHEN THE STANDBY/ ON SWITCH IS PRESSED, the IMPEDANCE SELECTOR switch may not be set to either end closely. If so, set the switch to either end closely.

<General model>



IMPEDANCE SELECTOR

(Left position)

Main: If you use one pair of main speakers, the impedance of each speaker must be 4Ω or higher.
If you use two pairs of main speakers, the impedance of each speaker must be 8Ω or higher.

Center: The impedance of the speaker must be 6Ω or higher.

Rear: The impedance of each speaker must be 6Ω or higher.

(Right position)

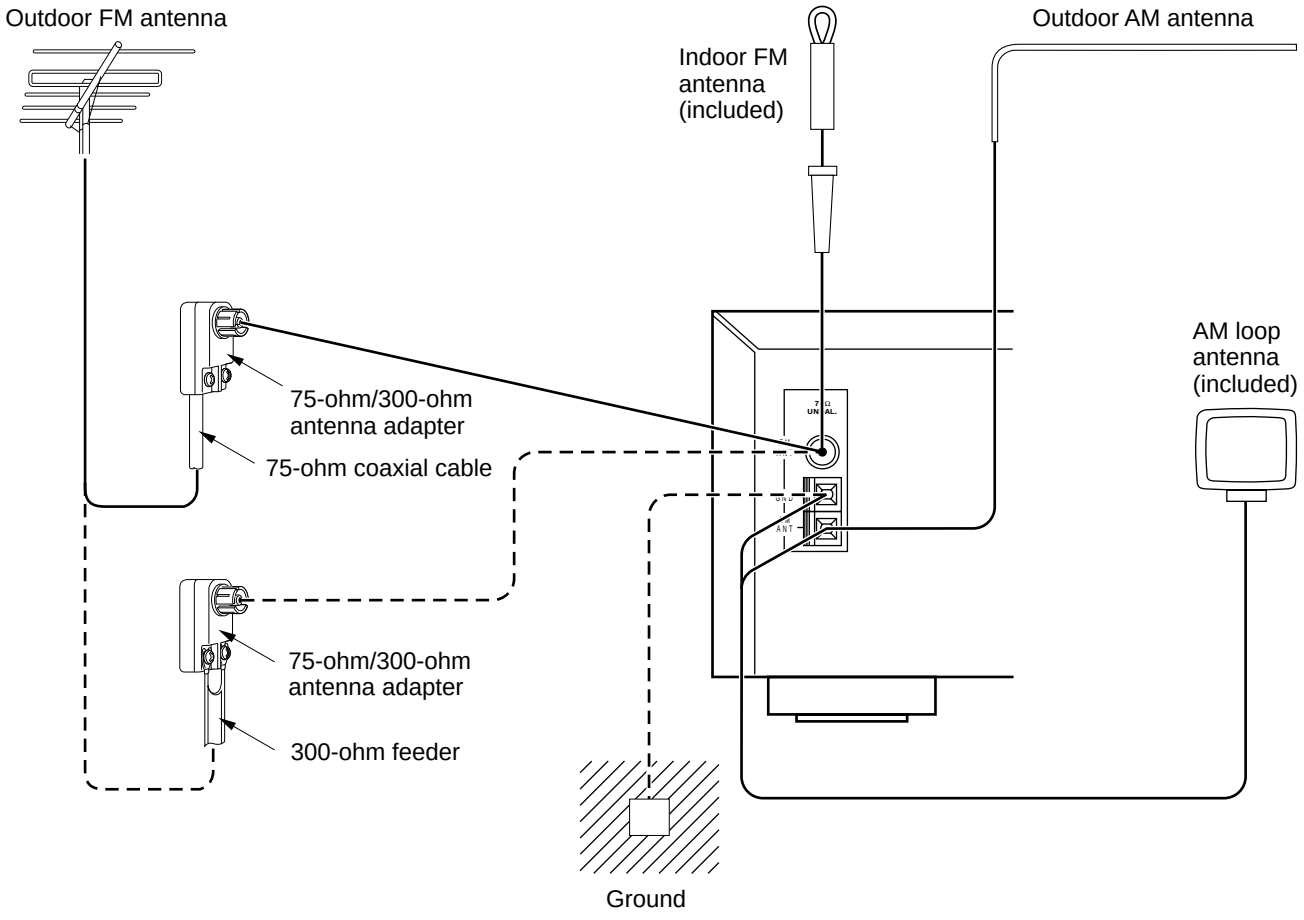
Main: <Except for Canada model>
If you use one pair of main speakers, the impedance of each speaker must be 8Ω or higher.
If you use two pairs of main speakers, the impedance of each speaker must be 16Ω or higher.
<Canada model only>
The impedance of each speaker must be 8Ω or higher.

Center: The impedance of the speaker must be 8Ω or higher.

Rear: The impedance of each speaker must be 8Ω or higher.

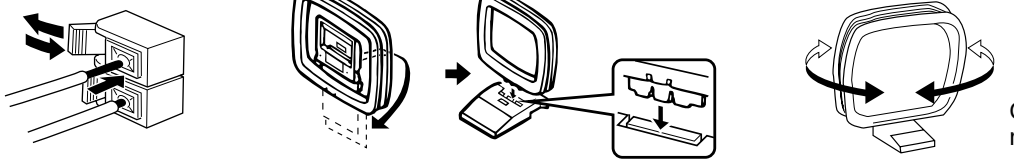
ANTENNA CONNECTIONS

- Each antenna should be connected to the designated terminals correctly, referring to the following diagram.
- Both AM and FM indoor antennas are included with this unit. In general, these antennas will probably provide sufficient signal strength. Nevertheless, a properly installed outdoor antenna will give clearer reception than an indoor one. If you experience poor reception quality, an outdoor antenna may result in improvement.



Connecting the AM loop antenna

1 **2** **3**



Orient so that the best reception is obtained.

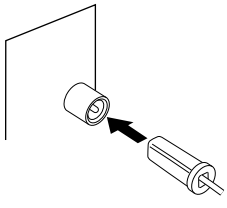
* The AM loop antenna should be placed apart from the main unit. The antenna may be hung on a wall.
* The AM loop antenna should be kept connected, even if an outdoor AM antenna is connected to this unit.

GND terminal

For maximum safety and minimum interference, connect the **GND** terminal to a good earth ground. A good earth ground is a metal stake driven into moist earth.

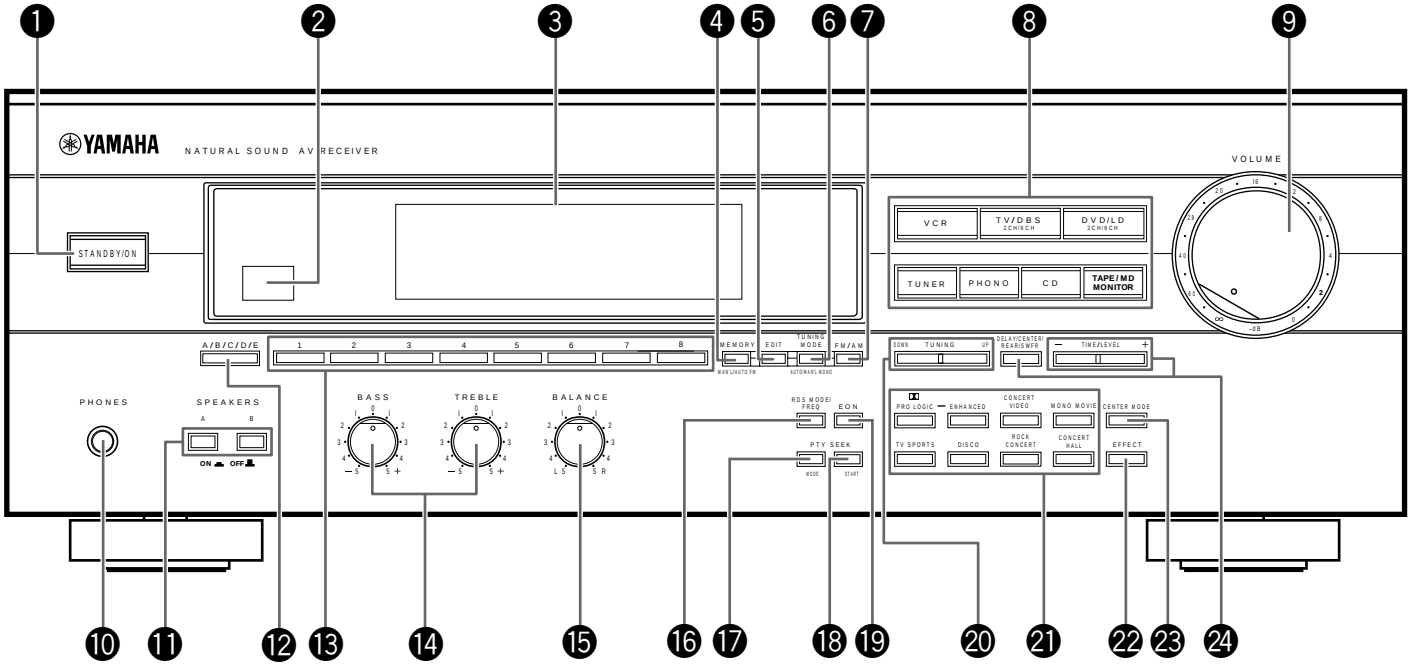
Notes

- When connecting the indoor FM antenna, insert its connector into the **FM ANT** terminal firmly.
- If you need an outdoor FM antenna to improve FM reception quality, either 300-ohm feeder or coaxial cable may be used. In locations troubled by electrical interference, coaxial cable is preferable.



CONTROLS AND THEIR FUNCTIONS

FRONT PANEL



❶ STANDBY/ON switch
Press this switch to turn the power to this unit on. Press it again to put this unit in the standby mode.

> In STANDBY, this unit consumes a very small quantity of power to receive infrared signals from the remote control transmitter.

❷ Remote control sensor
Receives signals from the remote control transmitter.

❸ Display panel
Shows various information. (Refer to page 16.)

❹ MEMORY (MAN'L/AUTO FM) button
Press this button to preset AM and FM radio frequencies manually. (Refer to page 27.)

When this button is pressed and held for more than 3 seconds, automatic preset tuning begins. (Refer to page 28.)

❺ EDIT button
This button is used to exchange the places of two preset stations with each other. (Refer to page 29.)

❻ TUNING MODE (AUTO/MAN'L MONO) button
Press this button to switch the tuning mode to automatic or manual. To select the automatic tuning mode, press this button so that the AUTO indicator lights up on the display. To select the manual tuning mode, press this button so that the AUTO indicator goes off.

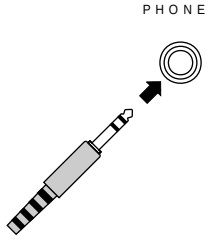
❼ FM/AM button
Press this button to switch the reception band to FM or AM.

❽ Input selector buttons
Select a program source to listen to or watch. When a button is pressed, the name of selected source appears on the display.

When either the **TV/DBS** or **DVD/LD** input source is selected, pressing the same selector button repeatedly switches the input signals between 2 channel stereo signals and 6 channel discrete signals. When switched to "6ch", discrete signals from the unit connected to the **6CH DISCRETE INPUT** terminals of this unit are selected as the input signals.

❾ VOLUME control
Use to raise or lower the volume level.

⓾ PHONES jack
To listen with headphones, connect the headphones to the **PHONES** jack. The sound output from the **PHONES** jack is the same as that from the main speakers.
When listening with headphones privately, set both the **SPEAKERS A** and **B** switches to the **OFF** position and switch off the digital sound field processor (so that no DSP program indicator is lit in the display) by pressing the **EFFECT** button.



⓫ SPEAKERS switches
Set the switch **A** or **B** (or both **A** and **B**) for the main speaker system (connected to this unit) you will use to the **ON** position. Set the switch for the main speaker system you will not use to the **OFF** position. (Refer to page 25.)

⓬ A/B/C/D/E button
Press this button to select a desired group (A–E) of preset stations. (Refer to page 27.)

⓭ Preset station number selector buttons
Press to select a preset station number (1 to 8). (Refer to page 27.)

⓮ Tone controls
These controls are effective only for the sound from the main speakers. (Refer to page 25.)
BASS
Used to increase or decrease the low frequency response. The 0 position produces flat response.
TREBLE
Used to increase or decrease the high frequency response. The 0 position produces flat response.

⓯ BALANCE control
This control is effective only for the sound from the main speakers.
Adjusts the balance of the output volume to the left and right speakers to compensate for sound imbalance caused by speaker location or listening room conditions. (Refer to page 25.)

⓰ RDS MODE/FREQ button HTR-5130RDS only
When an RDS station is received, pressing this button repeatedly changes the display to the PS mode, PTY mode, RT mode, CT mode (RDS services subject to availability), and station frequency in turn. (Refer to page 32.)

⓱ PTY SEEK MODE button HTR-5130RDS only
When this button is pressed, the unit turns into the PTY SEEK mode. (Refer to page 33.)

⓲ PTY SEEK START button HTR-5130RDS only
Press this button to begin searching for a station after the desired program type is selected in the PTY SEEK mode. (Refer to page 33.)

⓳ EON button HTR-5130RDS only
Press this button to select a specified program type (NEWS, INFO, AFFAIRS, SPORT) when you want to locate a radio program of that type automatically. (Refer to page 34.)

⓴ TUNING DOWN/UP button
Use for tuning radio stations. Press the UP side to tune in to higher frequencies, and press the DOWN side to tune in to lower frequencies.

HTR-5130RDS only When this unit is in the PTY SEEK mode, press either side of this button to change the currently selected program type.

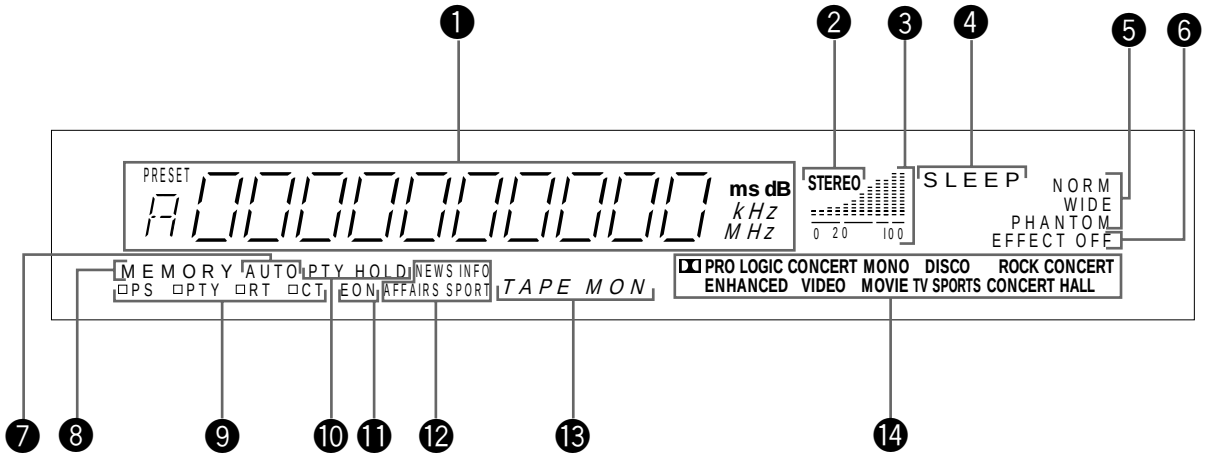
㉑ DSP program selector buttons
Select a DSP program. When a button is pressed, the name of selected program lights up on the display. (Refer to page 35.)

㉒ EFFECT button
Switches the digital sound field processor on and off (including the Dolby Pro Logic Surround decoder). (Refer to page 36.)

㉓ CENTER MODE button
Selects a center channel output mode (NORMAL, WIDE or PHANTOM). (Refer to page 20.)

㉔ DELAY/CENTER/REAR/SWFR and TIME/LEVEL +/– buttons
Adjust the delay time (DELAY), the center channel output level (CENTER), the rear channel output level (REAR) and the output level to the **SUBWOOFER OUTPUT** terminal (SWFR). Select the item which you want to adjust by pressing the **DELAY/CENTER/REAR/SWFR** button and adjust its time or level by pressing the **TIME/LEVEL +/–** button. (Refer to pages 25, 37, and 38.)

DISPLAY PANEL



❶ Multi-information display
Displays various information, for example station frequency, preset station number and name of selected input source.

❷ STEREO indicator
Lights up when an FM stereo broadcast with sufficient signal strength is received.

❸ Signal-level meter
Indicates the signal level of the received station.
If multipath interference is detected, the indication decreases.

❹ SLEEP indicator
Lights up while the built-in SLEEP timer is functioning.

❺ Center channel mode indicators
The name of a selected center channel mode lights up only when a program which uses Dolby Pro Logic Surround is selected.

❻ EFFECT OFF indicator
Lights up if neither the digital sound field processor nor the Dolby Pro Logic Surround decoder is on. In this state, sound output is 2-channel stereo.

❼ AUTO indicator
Lights up when this unit is in the automatic tuning mode.

❽ MEMORY indicator
When the **MEMORY** button is pressed, this indicator flashes for about 5 seconds. During this period, the displayed station can be programmed to the memory by using the **A/B/C/D/E** button and the preset station number selector buttons.

❾ RDS mode indicators **HTR-5130RDS only**
The name(s) of RDS mode(s) employed by the currently received RDS station light(s) up. Illumination of the indicator on the head of a name shows that the corresponding RDS mode is now selected.

❿ PTY HOLD indicator **HTR-5130RDS only**
Lights up while the search is performed in the PTY SEEK mode.

⓫ EON indicator **HTR-5130RDS only**
Lights up when an RDS station that employs the EON data service is received.

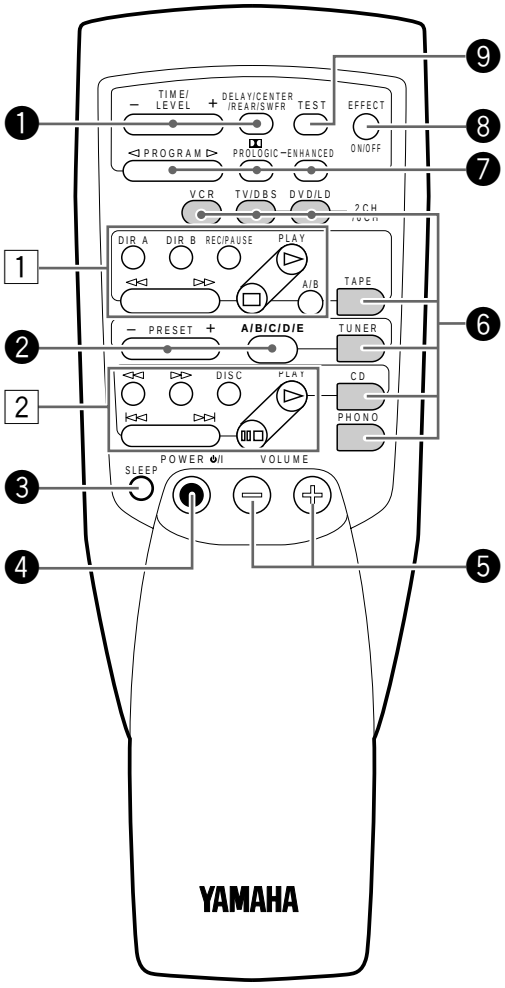
⓬ Program type name indicators **HTR-5130RDS only**
The name selected in the EON mode lights up.

⓭ TAPE MON indicator
Lights up when the tape deck (or MD recorder, etc.) is selected as the input source by pressing the **TAPE/MD MONITOR** button.

⓮ DSP program indicators
The name of a selected DSP program lights up when the built-in digital sound field processor or the Dolby Pro Logic Surround decoder is on.

REMOTE CONTROL TRANSMITTER

The remote control transmitter provided with this unit is designed to control all the most commonly used functions of this unit. If the CD player and tape deck connected to this unit are YAMAHA components designed for remote control compatibility, then this remote control transmitter will also control various functions of each component.



For Control of This Unit

❶ DELAY/CENTER/REAR/SWFR and TIME/LEVEL +/– keys
Adjust the delay time (DELAY), the center channel output level (CENTER), the rear channel output level (REAR) and the output level to the **SUBWOOFER OUTPUT** terminal (SWFR). Select the item which you want to adjust by pressing the **DELAY/CENTER/REAR/SWFR** key and adjust the time or level by pressing the **TIME/LEVEL +/–** key. (Refer to pages 25, 37 and 38.)

❷ Tuner keys
Use to tune stations or to select a preset station.
PRESET +: Selects higher preset station number.
PRESET –: Selects lower preset station number.
A/B/C/D/E: Selects the group (A-E) of preset station numbers.

❸ SLEEP timer key
Use to turn the built-in SLEEP timer on and off, and to set the SLEEP time. (Refer to page 39.)

❹ POWER ⏻ /I key
Turns the power to this unit on and puts this unit into the standby mode alternately.

❺ VOLUME +/– keys
Turn the volume level up and down.

❻ Input selector keys
Use to select the input source.

When the **TV/DBS** or **DVD/LD** input source is selected, pressing the same key (TV/DBS or DVD/LD) switches the input signals between 2 channel stereo signals and 6 channel discrete signals. When switched to “6ch”, discrete signals from the unit connected to the **6CH DISCRETE INPUT** terminals of this unit are selected as the input signals.

❼ Program selector keys

PROGRAM:
When the built-in digital sound field processor (including the Dolby Pro Logic Surround decoder) is on, this key changes the currently selected DSP program whenever the right or left side of this key is pressed.

PROLOGIC:
Directly selects the **PRO LOGIC** program.

ENHANCED:
Directly selects the **PRO LOGIC ENHANCED** program.

❽ EFFECT ON/OFF key
Switches the digital sound field processor on and off (including the Dolby Pro Logic Surround decoder). (Refer to page 36.)

❾ TEST key
Used for speaker balance adjustment. (Refer to pages 19–21.)

For Other Component Control

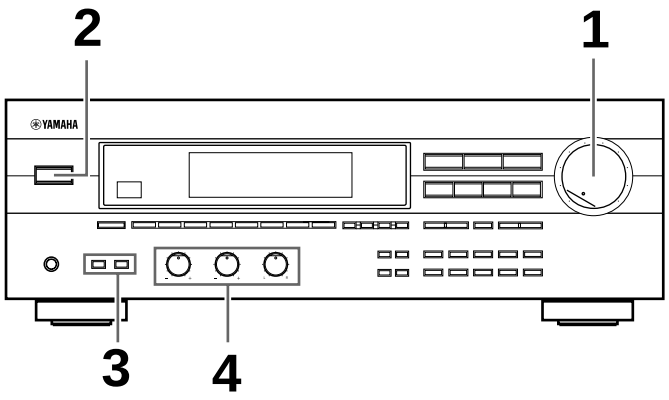
Identify the remote control transmitter keys with your component’s keys. If these keys are identical, their functions will be the same. For each key function, refer to the instruction manual supplied with the appropriate component.

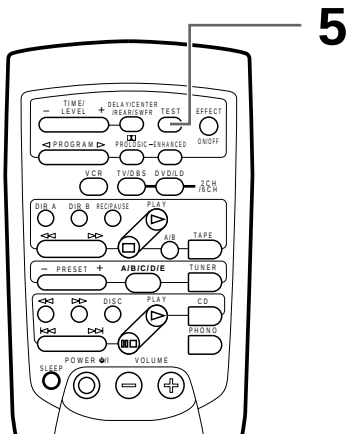
1 Tape deck keys
Use to control a cassette deck.
* **DIR A**, **B** and **A/B** are applicable only to double cassette tape deck.
* For a single cassette deck with automatic reverse function, pressing **DIR A** will reverse the direction of tape running.

2 CD player keys
Use to control a compact disc player.
* **DISC** is applicable only to a compact disc changer.

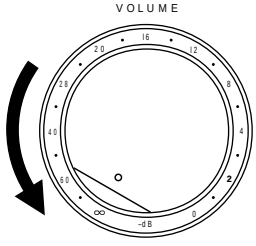
SPEAKER BALANCE ADJUSTMENT

This procedure lets you adjust the sound output level balance between the main, center, and rear speakers using the built-in test tone generator. When this adjustment is performed, the level heard at the listening position should sound the same from each speaker. This is important for the best performance of the digital sound field processor and the Dolby Pro Logic Surround decoder.





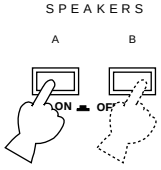
1



Set **VOLUME** to the minimum level (– ∞ dB).

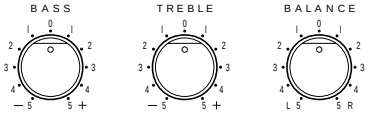
2 Turn the power on.

3 Select the main speakers to be used.



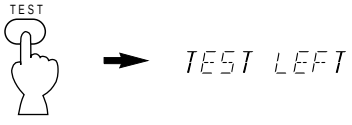
* If you use two main speaker systems, press both the A and B switches.

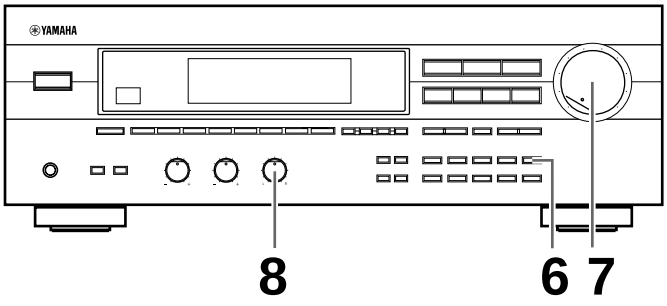
4

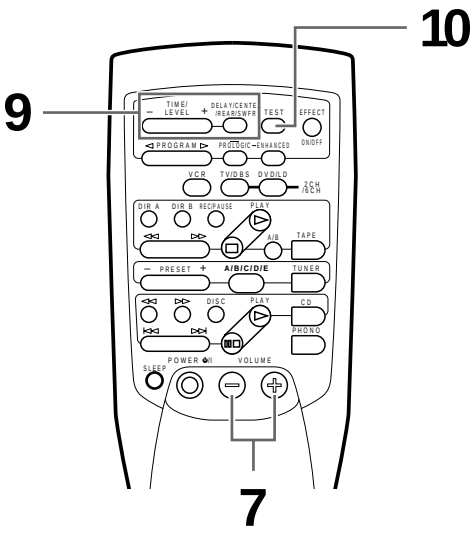


Set **BASS**, **TREBLE** and **BALANCE** to the “0” position.

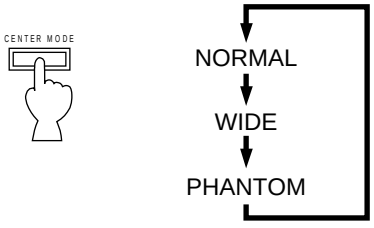
5







6 Select the center channel output mode suitable for your speaker configuration.
(Refer to "**SPEAKER CONFIGURATION**" on page 7.)



On the feature of each mode, refer to the "**Note**" shown below.

Note
In step 6, when you select a center channel output mode, note the following.

For 5 speaker configuration

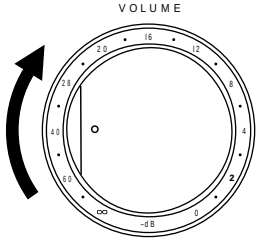
NORMAL: Select this mode when you use a center speaker that is smaller than the main speakers. In this mode, the bass tone will be output from the main speakers.

WIDE: Select this mode when you use a center speaker approximately the same size as the main speakers.

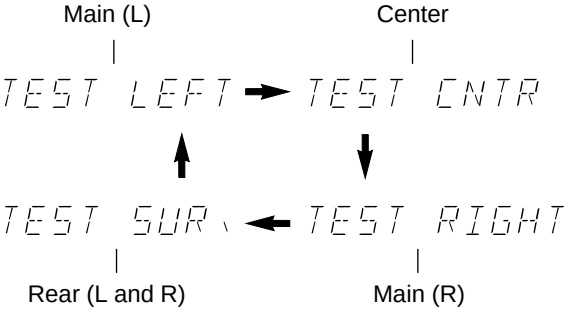
For 4 speaker configuration

PHANTOM: Select this mode when you do not use the center speaker. The center speaker sound will be output from the left and right main speakers.

7 Turn up the volume.

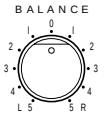


You will hear a test tone (like pink noise) in order from the left main speaker, the center speaker, the right main speaker, and then the rear speakers for about two seconds each. The display changes as shown below.



* The test tone from the left rear speaker and the right rear speaker will be heard at the same time.

8 Adjust the **BALANCE** control so that the sound output level of the left main speaker and the right main speaker are the same.

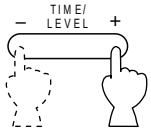


9 Adjust the sound output levels of the center speaker and the rear speakers so that they sound as similar as possible to the level of the main speakers.

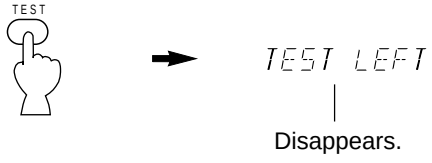
Make the adjustment of each speaker output level at your listening position with the remote control transmitter.

a) Press once or more so that “CENTER” or “REAR” appears on the display.
   * Select “CENTER” to adjust the output level of the center speaker, and select “REAR” to adjust the output level of the rear speakers.

b) Adjust the level.
   * Pressing the + side raises the level and the – side lowers the level.



10 Cancel the test tone.



Disappears.

Notes

- Once you have completed these adjustments, you can adjust the overall sound level of your audio system by using the **VOLUME** control (or the **VOLUME** keys on the remote control transmitter) only.
- If you use external power amplifiers, you may also use their volume controls to achieve proper balance.
- In step 9, if the center channel mode is in the “PHANTOM” position, the sound output level of the center speaker cannot be adjusted, because the center sound is automatically output from the left and right main speakers.

MAIN LEVEL switch **HTR-5130RDS only**

If the main speakers are distinctly louder than the rear speakers even after making balance adjustments, it is possible to decrease the output level of the MAIN SPEAKERS terminals by 10 dB by setting this switch to “–10 dB”. Otherwise, keep this switch set to “0 dB”.